

AMENDMENTS TO THE CLAIMS:

Claim 1. "amended"

A stabilizing device An anti-motion sickness device comprised of:

~~a stabilized payload platform for supporting a person or item(s) to be stabilized;~~
~~a base mounted to the vehicle or moving object;~~
~~a stabilizing system connecting the stabilized payload platform to the base, the~~
~~stabilizing system including a first sensor package for sensing motion of the vehicle about two or~~
~~three perpendicular axes of rotation, a second sensor package located on the stabilized platform~~
~~which provides level horizon data;~~
~~a control system for stabilizing the stabilized payload platform based upon the first~~
~~sensor package which is referenced to the second sensor package,~~
~~a braking system which prevents the stabilized payload platform from falling or flopping~~
~~ever when the power source to the drive mechanisms which hold the stabilized payload~~
~~platform, are shut off, disconnected or fail.~~

A stabilizing device comprised of:

a stabilized payload platform for supporting a person(s) or item(s) to be stabilized;
a base mounted to a vehicle or moving object,
a stabilizing system connecting the stabilized payload platform to the base, the
stabilizing system including:
a sensor package A for sensing motion of the vehicle about two or three perpendicular
axes,
a sensor package B fixed to the stabilized payload platform and which includes level
sensor means,
the stabilizing system having the means to orient the stabilized payload platform to at
least one stabilized orientation including stabilized oriented to:
earth's horizon,
apparent gravity horizon
a range of orientations between the earth's horizon and the apparent gravity horizon.

Claim 2. "amended"

A stabilizing device comprised of:

a stabilized payload platform for supporting a person(s) or item(s) to be stabilized;
a base mounted to the vehicle or moving object;
a stabilizing system connecting the stabilized platform to the base wherein the stabilizing system can receive sensor data or stabilization commands from a vehicle or ship's gyro compass or other sensing source via hard wire or wireless remote control, and wherein the stabilizing device has at least one or more of the following:

a braking system which prevents the stabilized payload platform from falling over when the power source to the drive mechanisms which hold the stabilized payload platform, are shut off, disconnected or fail;

a control system wherein the sensor data or stabilization commands will cause the stabilized payload platform to exhibit an artificial horizon such as would be the output of a level sensor;

a variable control which allows the stabilization to be adjusted throughout the range wherein the stabilized payload platform will be level with the horizon to exhibiting the artificial horizon consistent with the level sensor's output.

The stabilizing device of claim 1 including:

a powered drive mechanism for moving each axis being stabilized,
a braking system which prevents the stabilized payload platform from falling over when the powered drive mechanism is shut off, is disconnected or fails.

Claim 3. "amended"

~~The stabilizing device anti motion device of Claim 1-2 wherein the stabilized payload platform is fitted with one or more of a chair, a table, a bed, a medical operating table, a room, or any other item to be stabilized and which allows the occupant(s) or items being stabilized to be isolated from the and significantly reduces the rolling, pitching and jolting imparted by the vehicle. What is claimed is an automatic leveling and stabilized anti motion sickness chair.~~

The stabilizing device of claim 1 including:

At least one or more of a chair, table, bed, medical operating table, a room, or any other item to be stabilized and which provides the occupant(s) or item(s) with stabilization in at least

two axes.

Claim 4. "amended"

The stabilizing device of Claim 2- 1 wherein the payload platform can be operated in an inverted position and allow an item needing stabilization to be hung from the stabilized platform.

Claim 5. "amended"

The stabilizing device of Claim 2- 1 wherein the stabilization is autonomous and self correcting.

Claim 6. "amended"

The stabilizing device of Claim 2- 1 herein the stabilizing device is scalable to be smaller or larger.

Claim 7. "previously canceled"

Claim 8. "amended"

~~A method for stabilizing a platform comprised of the steps of;~~

~~Providing a stabilized payload platform;~~

~~Providing a base mounted to the vehicle or moving object;~~

~~Providing a stabilizing system connected between the stabilized payload platform and the base for stabilizing the payload platform relative to the base;~~

~~Providing a braking system which prevents the stabilized platform from falling over when the power source to the drive mechanisms which hold the stabilized payload platform are shut off, disconnected or fail.~~

A method for stabilizing a platform comprised of the steps of;

Providing a stabilized payload platform,

providing a base mounted to a vehicle or moving object,

providing a stabilizing system connected between the stabilized payload platform and the base, the stabilizing system including;

a sensor package A for sensing motion of the vehicle or moving object about two or three perpendicular axes.

a sensor package B fixed to the stabilized payload platform and which includes level sensor means,

providing the stabilizing system with the means to orient the stabilized payload to at least one stabilized orientation including stabilized relative to;

earth's horizon,

apparent gravity horizon,

a range of orientations between the earth's horizon and the apparent gravity horizon.

Claim 9. "amended":

~~A method for stabilizing a platform comprised of the steps of;~~

~~Providing a stabilized payload platform;~~

~~Providing a base mounted to the vehicle or moving object;~~

~~Providing a stabilizing system connected between the stabilized payload platform and the base for stabilizing the payload platform relative to the base;~~

~~Providing one or more of the following capabilities;~~

~~a braking system which prevents the stabilized platform from falling over when the power source to the drive mechanisms which hold the stabilized payload platform are shut off, disconnected or fail.~~

~~a control system wherein the sensor data or stabilization commands will cause the stabilized payload platform to exhibit an artificial horizon such as would be the output of a level sensor;~~

~~a variable control which allows the stabilization to be adjusted throughout the range of allowing the stabilized payload platform to remain level with the horizon, or to exhibit the artificial horizon consistent with the level sensor's output.~~

The method of Claim 8 including,

providing a powered drive mechanism for moving each axis being stabilized,

providing a braking system for preventing the stabilized platform from falling over when the powered drive mechanism is shut off, disconnected or fails.

Claim 10. "amended"

~~The method for stabilizing of claim 9, wherein there is the step of placing a person(s) or item(s) on, or attached to the stabilized payload platform.~~

The method for stabilizing of claim 8 wherein there is the step of providing at least one or more of a chair, table, bed, medical operating table, room or other item(s) to be stabilized.

Claim 11. "amended"

The method for stabilizing of claim 9- 8 wherein there is the step of performing medical procedures wherein one or more of the persons or items involved with the medical procedure are stabilized.

Claim 12. "canceled"

Claim 13. "amended"

~~The stabilizing device of Claim 2 1 wherein the stabilized payload platform is stabilized in three perpendicular axes, allowing the occupant(s) or item(s) to be are stabilized in relation to the horizon and to a magnetic direction.~~

Claim 14. "canceled"

Claim 15."amended"

~~The anti motion device of Claim 2 wherein the device is portable and can be easily moved from location to location by being carried due to its light weight, or rolled using wheels attached to the device and may have a locking device or attachment hardware to secure it to a vessel or vehicle.~~

The stabilizing device of claim 1 wherein the device is portable and can be moved from location to location.

Claim 16. "amended"

~~The stabilizing device of Claim 2 wherein the device is controllable by the occupant or a separate operator using a remote control panel, the controls comprising one or more of: an On/Off control,~~

~~a speed of stabilization control;~~
~~an angle of horizontal stabilization control;~~
~~an azimuth angle of stabilization to allow the occupant to point or be pointed in a specific direction.~~

The stabilizing device of claim 1 wherein the device can be controlled by at least one of; an occupant, or a separate operator to control one or more of; on/off control, speed of stabilization, angle of the stabilized payload platform, azimuth angle of the stabilized payload platform.

Claim 17. "amended"

The stabilizing device of Claim 16- ~~1 wherein the control mechanism is a~~ which can be controlled by wired or wireless remote control.

Claim 18. "amended"

A method for grouping one or more anti motion sickness devices on a sightseeing vehicle comprising mounting one or more stabilization devices, each having one or more payload platforms including one or more of a chair, bed, table or other payload platform, on a vehicle and providing the occupant(s) or items to be stabilized with stabilization in one, two or three orthogonal axis wherein the occupant(s) are stabilized against motion sickness, and providing one or more of the occupants or the operator with controls including one or more of, On/Off, horizontal angle of stabilization, speed of stabilization and direction to be faced.

The method of claim 8 including grouping more than one stabilizing devices on a vehicle or moving object.

Claim 19. "canceled"

~~Claim 19. The method of claim 18 further comprising a step of a tour operator pointing the stabilized occupants in any direction using a remote or wireless remote control.~~

Claim 20. "amended"

~~The stabilized device of Claim 2 wherein the actuators comprise at least one of motors, motors and gears, linear actuators, hydraulic actuators, or any other method of actuating moving the stabilized payload platform.~~

The method of claim 8 including providing controls allowing at least one of:
an occupant or an operator to control one or more of:
on/off control,
speed of stabilization,
angle of the stabilized payload platform,
azimuth angle of the stabilized payload platform.

Claim 21; “new”

A stabilizing device comprised of:

a stabilized payload platform for supporting a person(s) or item(s) to be stabilized;
a base mounted to a vehicle or moving object,
a stabilizing system connecting the stabilized payload platform to the base, the
stabilizing system including:
a sensor package A for sensing motion of the vehicle or object about two or three
perpendicular axes,
a sensor package B, fixed relative to the stabilized payload platform, and which includes
level sensor means,
a control system having the means or a variable control, and using relationships between
sensor package A and sensor package B to,
orient the stabilized payload platform to more than one stabilized orientation including
stabilized relative to;
earth's horizon,
apparent gravity horizon
a range of orientations between the earth's horizon and the apparent gravity horizon.

Claim 22;

The stabilizing device of claim 1 wherein the stabilized payload platform can maintain a
compass heading.

Claim 23:

The method of claim 8 further comprising providing a one or more stabilized devices on vehicle wherein the occupants are being stabilized.

Claim 24:

The stabilizing device of claim 21 wherein there are one or more stabilizing devices on a vehicle wherein the occupants are stabilized.